



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Elizabeth Jaffee *et al.*

Serial No.: 10/618,088

Filed: July 14, 2003

For: Mesothelin Vaccines and Model Systems

Atty. Docket No.: 001107.00363

Group Art Unit: TBD

Examiner: TBD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313

Dear Sir:

Submitted herewith are eight (8) sheets of Form PTO-1449. A copy of each of the references listed therein is enclosed. It is respectfully requested that the Examiner make his/her consideration of each of these documents formally of record.

Since this Information Disclosure Statement is being filed before issuance of a first Office Action on the merits under 37 C.F.R. 1.97(b), it is submitted that no fee or certification is required. However, if a fee is required, please charge our deposit account no. 19-0733.

Respectfully submitted,

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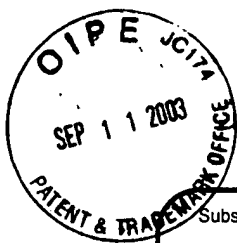
By:


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/618,088
				Filing Date	July 14, 2003
				First Named Inventor	Elizabeth Jaffee
				Group Art Unit	TBD
				Examiner Name	TBD
Sheet	1	of	8	Attorney Docket Number	001107.00363

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		5,723,318	03/03/1998	Yamaguchi et al.	
		5,763,183	06/09/1998	Pesonen et al.	
		5,795,872	08/18/1998	Ricigliano et al.	
		5,830,463	11/03/1998	Duke et al.	
		5,951,976	09/14/1999	Segal	
		5,981,259	11/09/1999	Franzusoff	
		6,083,502	07/04/2000	Pastan et al.	
		6,153,430	11/28/2000	Pastan et al.	
		6,171,777	01/09/2001	Cook et al.	
		6,224,868	05/01/2001	Wong et al.	
		6,270,795	08/07/2001	Jones et al.	
		6,358,933	03/19/2002	Aguilar Rubido et al.	
		6,384,018	05/07/2002	Content et al.	
		6,448,086	09/10/2002	Khosravi et al.	
		6,472,375	10/29/2002	Hoon et al.	
		6,475,995	11/05/2002	Roy et al.	
		6,488,926	12/03/2002	Khan et al.	
		6,495,143	12/17/2002	Lee et al.	
		6,500,432	12/31/2002	Dalemans et al.	
		20020034753	03/21/2002	Yang et al.	
		20020051990	05/02/2002	Ople et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 97/25068	07/17/1997			
		WO 99/28471	06/10/1999			
		WO 00/50900	08/31/2000			
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Sheet 2 of 8

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		ANGELAKOPOULOS et al., "Safety and Shedding of an Attenuated Strain of <i>Listeria monocytogenes</i> with a Deletion of <i>actA/plcB</i> in Adult Volunteers: a Dose Escalation Study of Oral Inoculation", <i>Infection and Immunity</i> , July 2002, pp. 3592-3601, Vol. 70, No. 7.	
		ARGANI et al., "Mesothelin Is Overexpressed in the Vast Majority of Ductal Adenocarcinomas of the Pancreas: Identification of a New Pancreatic Cancer Marker by Serial Analysis of Gene Expression (SAGE)", <i>Clinical Cancer Research</i> , December 2001, pp. 3862-3868, Vol. 7.	
		ARRINGTON et al., "Plasmid Vectors Encoding Cholera Toxin or the Heat-Labile Enterotoxin from <i>Escherichia coli</i> Are Strong Adjuvants for DNA Vaccines", <i>Journal of Virology</i> , May 2002, pp. 4536-4546, Vol. 76, No. 9.	
		BALTZ, "Vaccines in the treatment of cancer", <i>Am J Health-Syst Pharm</i> , Nov 15 1995, pp. 2574-2585, Vol. 52.	
		BERA et al., "Mesothelin Is Not Required for Normal Mouse Development or Reproduction", <i>Molecular and Cellular Biology</i> , April 2000, pp. 2902-2906, Vol. 20, No. 8.	
		CHANG et al., "Flavivirus DNA Vaccines Current Status and Potential", <i>Ann New York Acad Sci.</i> , Dec 2001, pp. 272-85, Vol 951.	
		CHOWDHURY et al., "Analysis of cloned Fvs from a phage display library indicates that DNA immunization can mimic antibody response generated by cell immunizations", <i>JIM</i> , 1999, pp. 83-91, Vol. 231.	
		CHOWDHURY et al., "Generation of high titer antisera in rabbits by DNA immunization", <i>JIM</i> , 2001, pp. 147-154, Vol. 249.	
		CHOWDHURY et al., "Isolation of a high-affinity stable single-chain Fv specific for mesothelin from DNA-immunized mice by phage display and construction of a recombinant immunotoxin with anti-tumor activity", <i>Proc. Natl. Acad. Sci. USA</i> , January 1998, pp. 669-674, Vol. 95.	
		COHEN et al., "Modulating the immune response to genetic immunization", <i>The FASEB Journal</i> , December 1998, pp. 1611-1626, Vol. 12.	
		DARJI et al., "Oral Somatic Transgene Vaccination Using Attenuated <i>S. typhimurium</i> ", <i>Cell</i> , Dec 12 1997, pp. 765-775, Vol. 91.	
		DARJI et al., "Oral delivery of DNA vaccines using attenuated <i>Salmonella typhimurium</i> as carrier", <i>FEMS Immunology and Medical Microbiology</i> , 2000, pp. 341-349, Vol. 27.	
		GLOMSKI et al., "The <i>Listeria monocytogenes</i> hemolysin has an acidic pH optimum to compartmentalize activity and prevent damage to infected host cells", <i>The Journal of Cell Biology</i> , Mar 18 2002, pp. 1029-1038, Vol. 156, No. 6.	
		GUNN et al., "Two <i>Listeria monocytogenes</i> Vaccine Vectors That Express Different Molecular Forms of Human Papilloma Virus-16 (HPV-16) E7 Induce Qualitatively Different T Cell Immunity That Correlates with Their Ability to Induce Regression of Established Tumors Immortalized by HPV-16", <i>The Journal of Immunology</i> , 2001, pp. 6471-6479, Vol. 167.	

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		Examiner Name	TBD
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		HELLSTRÖM et al., "Tumor Immunology: An Overview", <i>Ann. New York Acad. Sci.</i> , 1993, pp. 24-33, Vol. 690.	
		LAUER et al., "Construction, Characterization, and Use of Two <i>Listeria monocytogenes</i> Site-Specific Phage Integration Vectors", <i>Journal of Bacteriology</i> , Aug 2002, pp. 4177-4186, Vol. 184, No. 15.	
		LIAU et al., "Tumor Immunity within the Central Nervous System Stimulated by Recombinant <i>Listeria monocytogenes</i> Vaccination", <i>Cancer Research</i> , Apr 15 2002, pp. 2287-2293, Vol. 62.	
		MAKITALO et al., "ELISpot and ELISA analysis of spontaneous, mitogen-induced and antigen-specific cytokine production in cynomolgus and rhesus macaques", <i>JIM</i> , 2002, pp. 85-97, Vol. 270.	
		MEDINA et al., "Use of live bacterial vaccine vectors for antigen delivery: potential and limitations", <i>Vaccine</i> , 2001, pp. 1573-1580, Vol. 19.	
		PAN et al., "Regression of Established B16F10 Melanoma with a Recombinant <i>Listeria monocytogenes</i> Vaccine", <i>Cancer Research</i> , Oct 15 1999, pp. 5264-5269, Vol. 59.	
		POLAND et al., "Science, medicine, and the future New vaccine development", <i>BMJ</i> , June 2002, pp. 1315-1319, Vol. 324.	
		PORTNOY et al., "The cell biology of <i>Listeria monocytogenes</i> infection: the intersection of bacterial pathogenesis and cell-mediated immunity", <i>JCB</i> , Aug 5 2002, pp. 409-414, Vol. 158, No. 3.	
		RUBIO-GODOY et al., "Discrepancy between ELISPOT IFN- γ secretion and binding of A2/peptide multimers to TCR reveals interclonal dissociation of CTL effector function from TCR-peptide/MHC complexes half-life", <i>Proc. Natl. Acad. Sci. USA</i> , Aug 28 2001, pp. 10302-10307, Vol. 98, No. 18.	
		RYU et al., "Relationships and Differentially Expressed Genes among Pancreatic Cancers Examined by Large-scale Serial Analysis of Gene Expression", <i>Cancer Research</i> , Feb 1 2002, pp. 819-826, Vol. 62.	
		SCHOLLER et al., "Soluble member(s) of the mesothelin/megakaryocyte potentiating factor family are detectable in sera from patients with ovarian carcinoma", <i>Proc. Natl. Acad. Sci. USA</i> , September 1999, pp. 11531-11536, Vol. 96.	

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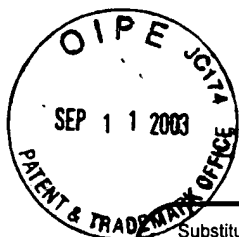
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		SHEN et al., "Compartmentalization of Bacterial Antigens: Differential Effects on Priming of CD8 T Cells and Protective Immunity", <i>Cell</i> , Feb 20 1998, pp. 535-545, Vol. 92.	
		SHEN et al., "Recombinant <i>Listeria monocytogenes</i> as a live vaccine vehicle for the induction of protective anti-viral cell-mediated immunity", <i>Proc. Natl. Acad. Sci. USA</i> , April 1995, pp. 3987-3991, Vol. 92.	
		STUBBS et al., "Whole recombinant yeast vaccine activates dendritic cells and elicits protective cell-mediated immunity", <i>Nature Medicine</i> , May 2001, pp. 625-629, Vol. 7, No. 5.	
		VECINO et al., "Mucosal DNA vaccination with highly attenuated <i>Shigella</i> is superior to attenuated <i>Salmonella</i> and comparable to intramuscular DNA vaccination for T cells against HIV", <i>Immunology Letters</i> , 2002, pp. 197-204, Vol. 82.	
		WARD et al., "Immunotherapeutic potential of whole tumour cells", <i>Cancer Immunology</i> , 2002.	
		WEISS et al., "Transfer of eukaryotic expression plasmids to mammalian host cells by bacterial carriers", <i>Current Opinion in Biotechnology</i> , 2001, pp. 467-472, Vol. 12.	
		ARRINGTON et al., "Plasmid vectors encoding cholera toxin or the heat-labile enterotoxin from <i>Escherichia coli</i> are strong adjuvants for DNA vaccines", <i>J Virol</i> 2002 May; 76(9):4536-46 (Abstract only)	
		ARVILOMMI H., "ELISPOT for detecting antibody-secreting cells in response to infections and vaccination", <i>APMIS</i> 1996 Jun; 104(6):401-10 (Abstract only)	
		AZEVEDO et al., "Main features of DNA-based immunization vectors", <i>Braz J Med Biol Res</i> 1999 Feb; 32(2):147-53 (Abstract only)	
		BERA TK et al., "Mesothelin is not required for normal mouse development or reproduction", <i>Mol Cell Biol</i> 2000 Apr; 20(8):2902-6 (Abstract only)	
		BRAMSON et al., "The efficacy of genetic vaccination is dependent upon the nature of the vector system and antigen", <i>Expert Opin Biol Ther</i> 2002 Jan; 2(1):75-85 (Abstract only)	

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		CHANG GJ et al., "Flavivirus DNA vaccines: current status and potential", <i>Ann N Y Acad Sci</i> 2001 Dec;951:272-85 (Abstract only)	
		COHEN et al., "Modulating the immune response to genetic immunization", <i>FASEB J</i> 1998 Dec;12(15):1611-26 (Abstract only)	
		COHEN EP, "DNA-based vaccines for the treatment of cancer - an experimental model", <i>Trends Mol Med</i> 2001 Apr;7(4):175-9 (Abstract only)	
		EDGEWORTH et al., "Vaccine development against HIV-1: current perspectives and future directions", <i>Immunol Res</i> 2002;25(1):53-74 (Abstract only)	
		FELTQUATE DM, "DNA vaccines: vector design, delivery, and antigen presentation", <i>J Cell Biochem Suppl</i> 1998;30-31:304-11 (Abstract only)	
		HASSAN et al., "Antitumor Activity of SS(dsFv)PE38 and SS1(dsFv)PE38, Recombinant Antimesothelin Immunotoxins against Human Gynecologic Cancers Grown in Organotypic Culture in Vitro", <i>Clin Cancer Res</i> 2002 Nov;8(11):3520-3526 (Abstract only)	
		HASSAN et al., "Anti-tumor activity of K1-LysPE38QQR, an immunotoxin targeting mesothelin, a cell-surface antigen overexpressed in ovarian cancer and malignant mesothelioma", <i>J Immunother</i> 200 Jul-Aug;23(4):473-9 (Abstract only)	
		HAUPT et al., "The potential of DNA vaccination against tumor-associated antigens for antitumor therapy", <i>Exp Biol Med (Maywood)</i> 2002 Apr;227(4):227-37 (Abstract only)	
		HAVRANEK et al., "Advances in prostate cancer Immunotherapy", <i>Surg Oncol</i> 2002 Jun;11(1-2):35-45 (Abstract only)	
		HELLSTROM I., "Nucleic Acid Vaccines for Chemoprevention of Ovarian Cancer", Grant No. 5P50CA083636-040002 (Abstract only)	
		HELLSTROM I., "Mesothelin Antigens for Diagnosis/Therapy of Ovarian Cancer", Grant No. 5R01CA085780-03 (Abstract only)	

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		HIPPO et al., "Differential gene expression profiles of scirrhous gastric cancer cells with high metastatic potential to peritoneum or lymph nodes", <i>Cancer Res</i> 2001 Feb 1;61(3):889-95 (Abstract only)	
		HOUGH et al., "Large-scale serial analysis of gene expression reveals genes differentially expressed in ovarian cancer", <i>Cancer Res</i> 2000 Nov 15;60(22):6281-7 (Abstract only)	
		KAUFMAN et al., "Immunotherapy for pancreatic cancer: current concepts", <i>Hematol Oncol Clin North Am</i> 2002 Feb;16(1):159-97, viii (Abstract only)	
		LUNDSTROM K., "Alphavirus vectors for gene therapy applications" <i>Curr Gene Ther</i> 2001 May;1(1):19-29 (Abstract only)	
		MAKITALO et al., "ELISpot and ELISA analysis of spontaneous, mitogen-induced and antigen-specific cytokine production in cynomolgus and rhesus macaques", <i>J Immunol Methods</i> 2002 Dec1;270(1):85-97 (Abstract only)	
		MASHISHI et al., "The ELISPOT assay: an easily transferable method for measuring cellular responses and identifying T cell epitopes", <i>Clin Chem Lab Med</i> 2002 Sep;40(9):903-10 (Abstract only)	
		MITCHELL MS., "Cancer vaccines, a critical review - Part I", <i>Curr Opin Investig Drugs</i> 2002 Jan;3(1):140-9 (Abstract only)	
		MONATH TP., "Japanese encephalitis vaccines: current vaccines and future prospects", <i>Curr Top Microbiol Immunol</i> 2002;267:105-38 (Abstract only)	
		MONZAVI-KARBASSI et al., "Current concepts in cancer vaccine strategies", <i>Biotechniques</i> 2001 Jan;30(1):170-2, 174, 176 (Abstract only)	
		MORROW et al., "Recombinant viruses as vectors for mucosal immunity", <i>Curr Top Microbiol Immunol</i> 1999;236:255-73 (Abstract only)	
		POLAND et al., "New vaccine development", <i>BMJ</i> 2002 Jun 1;324(7349):1315-9 (Abstract only)	

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		POLO et al., "Alphavirus DNA and particle replicons for vaccines and gene therapy", <i>Dev Biol (Basel)</i> 2000;104:181-5 (Abstract only)	
		PRAZERES et al., "Purification of plasmids for gene therapy and DNA vaccination", <i>Biotechnol Annu Rev</i> 2001;7:1-30 (Abstract Only)	
		LINDSLEY et al., "Immunoprophylaxis of hepatitis C virus infection", <i>Clin Liver Dis</i> 2001 Nov;5(4):1091-103 (Abstract Only)	
		RAMSAY et al., "Genetic vaccination strategies for enhanced cellular, humoral and mucosal immunity", <i>Immunol Rev</i> 1999 Oct;171:27-44 (Abstract Only)	
		REIMANN et al., "DNA vaccines", <i>Vox Sang</i> 2000;78 Suppl 2:57-60 (Abstract Only)	
		RESTIFO et al., "The promise of nucleic acid vaccines", <i>Gene Ther</i> 2000 Jan;7(2):89-92 (Abstract Only)	
		RYU et al., "Relationships and differentially expressed genes among pancreatic cancers examined by large-scale serial analysis of gene expression", <i>Cancer Res</i> 2002 Feb 1;62(3):819-26 (Abstract Only)	
		SCHIRMBECK et al., "Revealing the potential of DNA-based vaccination: lessons learned from the hepatitis B virus surface antigen", <i>Biol Chem</i> 2001 Apr;382(4):543-52 (Abstract Only)	
		SCHMITTEL et al., "Quantification of tumor-specific T lymphocytes with the ELISPOT assay", <i>J Immunother</i> 2000 May-Jun;23(3):289-95 (Abstract Only)	
		SUAREZ-ALVAREZ et al., "Circulating IgG response to stromelysin-3, collagenase-3, galectin-3 and mesothelin in patients with pharynx/larynx squamous cell carcinoma", <i>Anticancer Res</i> 2001 Sep-Oct;21(5):3677-84 (Abstract Only)	
		SUNDARAM et al., "Synthetic peptides as cancer vaccines", <i>Biopolymers</i> 2002;66(3):200-16 (Abstract Only)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/618,088
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		First Named Inventor	Elizabeth Jaffee
		Group Art Unit	TBD
		Examiner Name	TBD
Sheet 8 of 8	Attorney Docket Number	001107.00363	

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		VECINO et al., "Mucosal DNA vaccination with highly attenuated Shigella is superior to attenuated Salmonella and comparable to intramuscular DNA vaccination for T cells against HIV", <i>Immunol Lett</i> 2002 Jul 3;82(3):197-204 (Abstract Only)	
		WARD et al., "Immunotherapeutic potential of whole tumour cells", <i>Cancer Immunol Immunother</i> 2002 Sep;51(7):351-7 (Abstract Only)	
		WESTWATER et al., "Development of a P1 phagemid system for the delivery of DNA into Gram-negative bacteria", <i>Microbiology</i> 2002 Apr;148(Pt 4):943-50 (Abstract Only)	
		WLAZLO et al., "DNA tumor vaccines", <i>Arch Immunol Ther Exp (Warsz)</i> 2001;49(1):1-11 (Abstract Only)	
		YAMASHITA et al., "Mapping and determination of the cDNA sequence of the Erc gene preferentially expressed in renal cell carcinoma in the Tsc2 gene mutant (Eker) rat model", <i>Biochem Biophys Res Commun</i> 2000 Aug18;275(1):134-40 (Abstract Only)	
		ZOLLER et al., "Active vaccination after allogeneic bone marrow cell transplantation: a new option in the immunotherapy of cancer?", <i>Arch Immunol Ther Exp (Warsz)</i> 2002;50(3):197-224 (Abstract Only)	

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